**1)what is is called where child object gets killed if parent object is killed in java**

Ans: composition

**2)Can we overload constructor in derived class?**

Ans: No

**3) what is it called if object has its own lifecycle and there is no owner**

Ans: encapsulation

**4) what is abstract data type?**

Ans: Class

//different signature

**5) When overloading does not occurs?**

Ans: more than one method with same name but different method signature and different number or type of parameters

**6) Which keyword is used to inherit a class in java?**

Ans: Declaring as abstract class using virtual keyword

**7) which concept of java is a way of converting real world objects in terms of class?**

Ans: Abstraction

//constructor is private

**8) what is the output of following java code? class Person {private int age; private Person() {age = 24;}}**

**public class Test {public static void main(String[], args) {Person P = new Person(); System.out.println(p.age);}}?**

Ans: compilation error

**9)implementation of run() of runnable interface is an example of ?**

Ans: polymorphism

**10) what is it called where object has its own lifecycle and child object cannot belong to another parent object?**

Ans: composition